FIG. 1

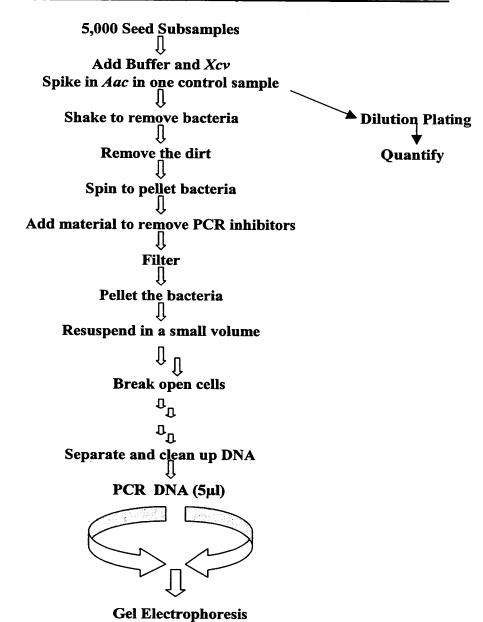
DNA Extraction Process-Post Seedwash

Centrifuge cells to pellet and resuspend in TE SDS and proteinase K, incubation (Cell disruption and membrane degradation) NaCl and CTAB, incubation (CTAB precipitation of cell wall debris, denatured proteins and polysaccharides) Chloroform and Isoamyl alcohol (Protein/polysaccharide removal) Phenol/chloroform/isoamyl alcohol (Further removal of nonDNA compounds) Isopropanol/Freezing (DNA precipitation) 70% Ethanol Wash (Removal of CTAB) Resuspension of DNA in TE

Microspin columns to remove PCR inhibitors

FIG. 2

BFB Polymerase Chain Reaction (PCR) Assay for Watermelon Seedlots



Assessment

Disease screen assay data sheet WFB PCR #

Electrophoresis information

Gel Concentration: 2.0% Buffer: 0.5X TBE Amount of agarose used; Volts: 77 Watts: 8 mAmps: 92 2.5g, 5.0g, 70g, other Circle one)

Volume of DNA	sample:	5µls_	Total re	eaction vo	olume:	50μls		
	Aac	Xcv		Aac	Xcv		Aac	Xcv
Gel Lane	Result	Result	Gel Lane	Result	Result	Gel Lane	Result	Result
1. 1 Aac Rxns	<u> </u>		37. 17	干		73. 11	<u> </u>	+
2. 1	1		38. 18	+		74. 11		
3. 2			39. 18	+		75. 12		
4. 2	1		40. 19	~		76. 12		(
5. 3)		41. 19	_		77. 13		
6. 3			42. 20	+		78. 13		
7. 4	j		43. 20	+		79. 14		
8. 4	- 1		44. H₂O	_		80. 14		j
9. 5	- 1		45. H₂O	_		81. 15		1
10. 5	- 1		46. TE	-		82. 15		- 1
11. 6			47. TE	_		83. 16		- 1
12. 6	- 1		48. DNA Hi	+		84. 16		- 1
13. 7	- 1		49. DNA Hi	+		85. Ladder		
14. 7			50. DNA Low	+		86. Ladder		1
15. 8			51. DNA Low	+		87.17		_
16. 8	1		52. 1		+	88.17		`\
17. Ladder	1		53. 1		ì	89.18)
18. 9			54. 2		l	90.18		- (
19. 9	1		55. 2		- 1	91. 19		1
20. 10	- 1		56. 3		{	92. 19		- (
21. 10	[57. 3]	93.20		_
22. 11			58. 4			94.20		_
23. 11			59. 4		1	95. H ₂ O		
24. 12			60. 5	•	1	96. H ₂ O		_
25. 12			61.5		1	97. TE		
26. 13		*	62. 6			98. TE		
27. 13	1		63. 6		ł	99. DNA Hi		-
28. 14	-		64. 7		- 1	100. DNA Hi		++++
29. 14			65. 7		- 1	101. DNA Low		+
30. 15			66. 8		- 1	102. DNA Low		+
31. 15	1		67. 8		- 1	103.		+
32. 16	1		68. Ladder		1	104.		
33. 16	1		69. 9		+	105.		
34. Ladder	ļ		70. 9		``	106.		
35 Ladder			71. 10					
36. 17	†		72. 10		1			

Sample#'s	1&2	3&4	5&6	7&8	9&10	11&12	13&14	15&16	17&18
Positive									V
Negative								. /	

PCR #: 974

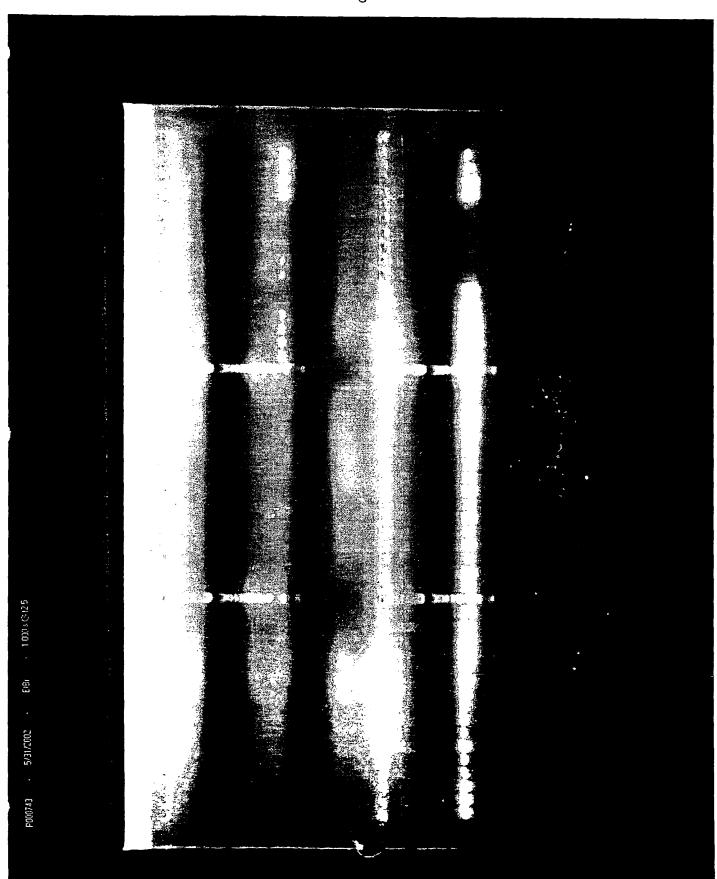
Acidovorax Reactions

Xanthomonas Reactions

: . .

Н	G	F	E	D	С	B	Α	
***************************************	#7	#6	#5	#4	#3	#2	*	1
##	#7	#6	#5	#4	#3	#2	#	. 2
#10	#15	#14	#13	#12	#11	#10	#9	3
#10		#14	#13	#12	#11	#10	#9	4
control Aac		- TE control	- H ₂ O control	#20 Seed Control	#19 Seed Control	#18	#17	5
control Aac	⊕DNA control Aac	- TE control	- H ₂ O control	#20 Seed Control	#19 Seed Control	#18	#17	6
#8	#7	_. #6	#5	#4	#3	#2	#1	7
#8	#7	#6	#5	#4	#3	#2	#1	8
#16	#15	#14	#13	#12	#	#10	#9	9
#16	#15	#14	#13	#12	#11	#10	#9	10
⊕DNA control Aac	⊕DNA control Aac	- TE control	- H ₂ O control	#20 Seed Control	#19 Seed Control	#18	#17	11
⊕DNA control Aac	⊕DNA control Aac	- TE control	- H ₂ O control	#20 Seed Control	#19 Seed Control	#18	#17	12

Fig. 3c



Disease screen assay data sheet WFB PCR # 980

Electrophoresis information

Gel Concentration:2.0%Buffer:0.5X TBEAmoVolts:98Watts:982.5gOn:12.30Off:3.30Temp:RT

Amount of agarose used; 2.5g, 5.0g, (.0g, other______ (circle one)

Volume of DNA	sample:	5μls	Total re	eaction vo	lume:	50µls		
	Aac	Xcv		Aac	Xcv	_ 	Aac	Xcv
Gel Lane	Result	Result	Gel Lane	Result	Result	Gel Lane	Result	Result
1. 1 Aac Rxns	-		37. 17	_		73. 11		+
2. 1	1		38. 18	ł		74. 11		i
3. 2			39. 18	(75. 12)
4. 2			40. 19	.		76. 12		- 1
5. 3	1		41. 19	į į		77. 13		- 1
6. 3	1		42. 20	+		78. 13		- 1
7.4	1		43. 20	+	•	79. 14		- 1
8. 4	•		44. H ₂ O	_		80. 14		- 1
9. 5	İ		45. H ₂ O	_		81. 15		- 1
10. 5	1		46. TE	_		82. 15		1
11. 6			47. TE	_		83. 16		
12. 6	j		48. DNA Hi	+		84. 16		l
13. 7			49. DNA Hi			85. Ladder		•
14. 7	1		50. DNA Low	++		86. Ladder		
15. 8			51. DNA Low	+		87.17		+
16. 8	1		52. 1	,	+	88.17		•
17. Ladder	'		53. 1			89.18		
18. 9	-		54. 2		- (90.18		
19. 9	}		55. 2			91. 19		
20. 10	1		56. 3			92. 19		l
21. 10	- 1		57. 3		1	93.20		
22. 11	}		58. 4		1	94.20		_
23. 11			59. 4		ŧ	95. H ₂ O		
24. 12			60. 5		~+	96. H ₂ O		- ,
25. 12	İ		61. 5		_ 4	97. TE		_
26. 13	j		62. 6		+	98. TE		_ `
27. 13	1		63. 6		i	99. DNA Hi		-
28. 14	- 1		64. 7			100. DNA Hi		++++
29. 14	ĺ		65. 7		İ	101. DNA Low		
30. 15			66. 8			102. DNA Low		-
31. 15	ļ		67. 8		1	103.		1
32. 16	}		68. Ladder		į.	104.		
33. 16	1		69. 9		+	105.		
34. Ladder	•		70. 9		Ì	106.		
35. Ladder			71. 10)			
36. 17			72. 10		- 1			
					1			

Positive	Sample#'s	1&2	3&4	5&6	7&8	9&10	11&12	13&14	15&16	17&18
Negative / / / / / /	Positive									
	Negative	\								

PCR #: 980

Acidovorax Reactions

	4				T	T		
Н		H	Ħ	D	C	B	A	
	# #/	#6	#5	#	33	#2	#1	_
3	#0 #/	#6	#5	#4	#3	#2	#1	2
7.0	#15	#14	#13	#12	#1	#10	#9	w
7.0	#15	#14	#13	#12	#	#10	#9	4
control Aac	epina control Aac		- H ₂ O control	#20 Seed Control	#19 Seed Control	#18	#17	5
control Aac	⊕DNA control Aac	- TE control	- H ₂ O control	#20 Seed Control	#19 Seed Control	#18	#17	6
#8	#7	#6	#5	#4	#3	#2	#1	7
#	#7	#6	#5	#4	#3	#2	#	∞
#16	#15	#14	#13	#12	#11	#10	#9	9
#16	#15	#14	#13	#12	#11	#10	#9	10
⊕DNA control	⊕DNA control AB محمد	- TE control	- H ₂ O control	#20 Seed Control	#19 Seed Control	#18	#17	
の DNA control	⊕DNA control <u>Aac</u> ×~~	- TE control	- H ₂ O control	#20 Seed Control	#19 Seed Control	#18	#17	12

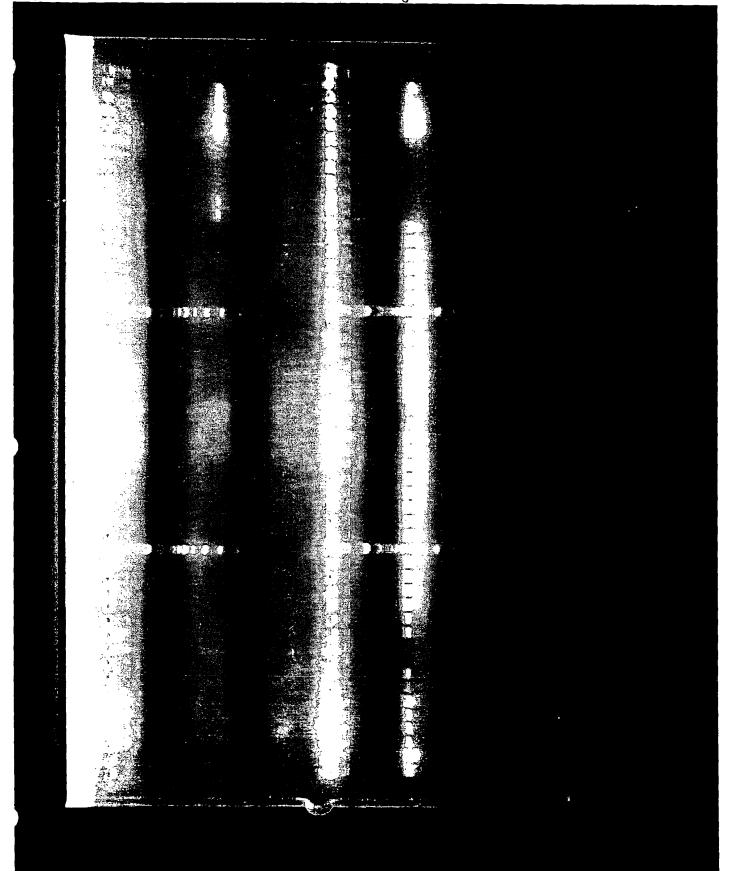


Fig. 5a.

Bacterial Fruit Blotch

Disease screen assay data sheet WFB PCR #78 /

Electrophoresis information

Gel Concentration: 2.0% Buffer: 0.5X TBE Amount of agarose used; Volts: 18 Watts: 1 mAmps: 12 Circle one)

On: 1: 20 Off: 320 Temp: AT (circle one)

Volume of DNA	sample:	5μls	Total re	eaction vo	olume:	50μls		
	Aac	Xcv		Aac	Xcv		Aac	Xcv
Gel Lane	Result	Result	Gel Lane	Result	Result	Gel Lane	Result	Result
 1. 1 <u>Aac</u> Rxns 	-		37. 17			73. 11	<u> </u>	<u>+ 1009011</u>
2. 1	ł		38. 18	1		74. 11		1
3. 2	}		39. 18	j		75. 12		- 1
4. 2	j		40. 19	1		76. 12		1
5. 3	1		41. 19	l		77. 13		•
6. 3	1		42. 20	4		78. 13		
7. 4			43. 20	+		79. 14		_
8. 4	į į		44. H ₂ O			80. 14		ľ
9. 5	}		45. H₂O	~		81. 15		
10. 5			46. TE	-		82. 15		- 1
11.6	- 1		47. TE	-		83. 16		
12. 6	- 1		48. DNA Hi	+		84. 16		l
13. 7	l		49. DNA Hi	+		85. Ladder		•
14. 7	1		50. DNA Low	+		-86. Ladder		
15. 8			51. DNA Low	+		87.17		7
16. 8	l		52. 1	•	+	88.17		1
17. Ladder			53. 1		1	89.18)
18. 9	T		54. 2			90.18		- 1
19.9	- 1		55. 2			91. 19		1
20. 10	ļ		56. 3			92. 19		
21. 10	- 1		57. 3		- 1	93.20		_
22. 11			58. 4		1	94.20		_
23. 11			59. 4		i	95. H ₂ O		_
24. 12			60. 5			96. H ₂ O		_
25. 12	- 1		61. 5			97. TE		_
26. 13	- 1	•	62. 6		- 1	98. TE		_
27. 13	- 1		63. 6		1	99. DNA Hi		+
28. 14			64. 7		1	100. DNA Hi		++++
29. 14			65. 7		1	101. DNA Low		÷
30. 15	İ		66. 8		- 1	102. DNA Low		+
31. 15	1		67. 8		1	103.		
32. 16	1		68. Ladder			104.		
33. 16	1		69. 9		+	105.		
34. Ladder			70. 9		1	106.		
35. Ladder			71. 10					
36. 17	_		72. 10		}			

Positive Negative	Sample#'s	1&2	3&4	5&6	7&8	9&10	11&12	13&14	15&16	17&18
Negative	Positive			. /			1	7		
Regarde V V V V V V V V V	Negative				V	7	1 /			/

Acidovorax Reactions

H	Ð.	F	E	D	C	В	A	
71								
***	#7	#6	#5	#4	#3	#5	#_	, .
*8	#7	#6	#5	#4	#3	#2	#	2
#16	#15	#14	#13	#12	#1	#10	#9	ω
#16	#15	#14	#13	#12	#1	#10	#9	4
⊕DNA control Aac	⊕DNA control Aac	- TE control	- H ₂ O control	#20 Seed Control	#19 Seed Control	#18	#17	Ŋ
⊕DNA control Aac	⊕DNA control Aac	- TE control	- H ₂ O control	#20 Seed Control	#19 Seed Control	#18	#17	6
#8	#7	#6	#5	#4	#3	#2	#1	7
#8	#7	#6	#5	#4	#3	#2	#1	∞
#16	#15	#14	#13	#12	#11	#10	#9	9
#16	#15	#14	#13	#12	#11	#10	#9	10
⊕DNA control Aac	⊕DNA control Aac	- TE control	- H ₂ O control	#20 Seed Control	#19 Seed Control	#18	#17	11
⊕DNA control Aac	⊕DNA control Aac	- TE control	- H ₂ O control	#20 Seed Control	#19 Seed Control	#18	#17	12

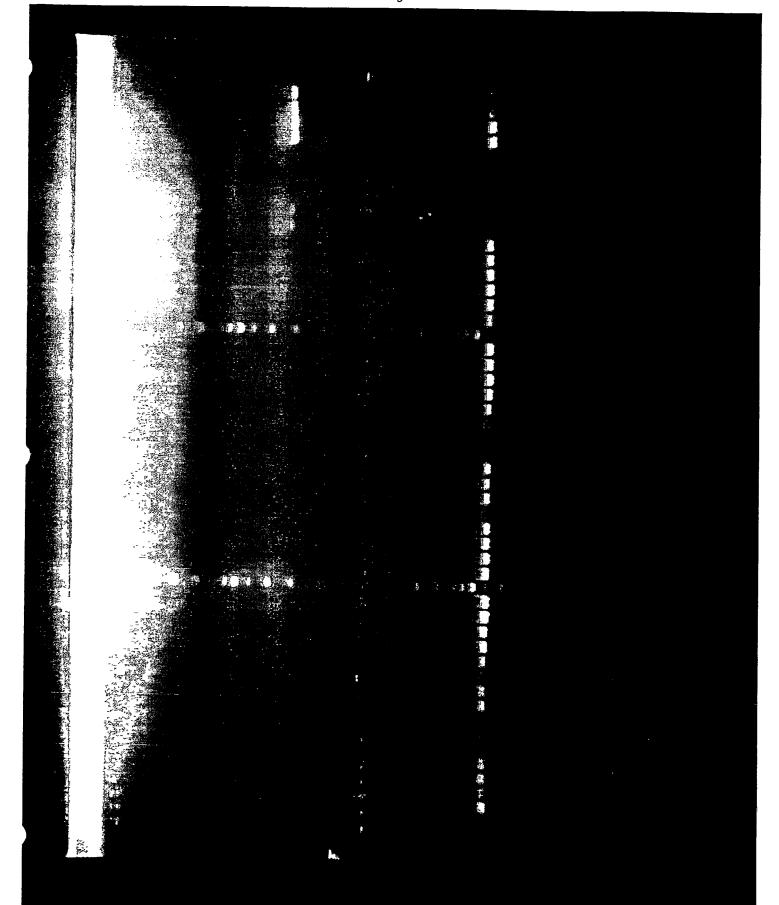


Fig. 6a

Disease screen assay data sheet WFB PCR #984

Electrophoresis information

Gel Concentration: 2.0% B

Buffer: 0.5X TBE

Amount of agarose used; 2.5g, 5.0g, 1.0g, other_

Volts: 100 Watts: 8 mAmps: 58

On: 1215 Off: 2145 Temp: RT (circle one)

Volume of DNA	sample:	5μls	Total re	eaction vo	lume:	50μls		
	Aac	Xcv		Aac	Xcv	·· 	Aac	Xcv
Gel Lane	Result	Result	Gel Lane	Result	Result	Gel Lane	Result	Result
1. 1 Aac Rxns	_		37. 17	_		73. 11		+
2. 1]		38. 18	_		74. 11		i
3. 2	1		39. 18	_		75. 12		- 1
4. 2	1		40. 19	_		76. 12		- 1
5.3	- (41. 19	_		77. 13		- 1
6. 3			42. 20	+		78. 13		- 1
7.4			43. 20	+		79. 14		- 1
8. 4	Į		44. H₂O	<u>.</u>		80. 14		- 1
9. 5	_		45. H₂O	_		81. 15		- 1
10. 5	-		46. TE	_		82. 15		- 1
11.6	+		47. TE	_		83. 16		- 1
12. 6	_		48. DNA Hi	+		84. 16		į
13. 7	~		49. DNA Hi	+++		85. Ladder		,
14. 7	(+1+		50. DNA Low	+		86. Laddor		
15. 8			51. DNA Low	+		87.17		+
16. 8	+		52. 1	•	+	88.17		
17. Ladder			53. 1			89.18		1
18. 9	1		54. 2		1	90.18		
19. 9	- 1		55. 2		1	91. 19		- 1
20. 10			56. 3		1	92. 19		1
21. 10	1		57. 3			93.20		_
22. 11			58.4		1	94.20		_
23. 11			59. 4		İ	95. H ₂ O		_
24. 12	- 1		60. 5		-	96. H₂ O		_
25. 12	l		61.5			97. T E		
26. 13			62. 6		1	98. T E		_
27. 13	ŀ		63.6		1	99. DNA Hi		+
28. 14	+		64. 7			100. DNA Hi		+
29. 14			65. 7		1	101. DNA Low		++
30. 15	+++:		66. 8			102. DNA Low		+
31. 15	+		67. 8		- {	103.		•
32. 16	_		68. Ladder			104.		
33. 16	_		69. 9		τ	105.		
34. Ladder			70. 9		1	106.		
-35. Ladder-			71. 10		- 1			
36. 17	_		72. 10		1			

Sample#'s	1&2	3&4	5&6	7&8	9&10	11&12	13&14	15&16	17&18
Positive			\					-	
Negative	✓			,					

PCR#: 984

F.g. 65

Acidovorax Reactions

			T	Т				т
12	#17	#18	#19 Seed Control	#20 Seed Control	- H ₂ O control	- TE control	#DNA control Aac	#DNA control
=	#17	81#	#19 Seed Control	#20 Seed Control	- H ₂ O control	- TE control	#DNA control Aac	#DNA control
10	6#	#10	#11	#12	#13	#14	#15	#16
6	6#	#10	#11	#12	#13	#14	#15	#16
∞	#	#2	#3	4	#2	9#	L#	8#
7	#	#2	#3	4	#2	9#	L#	8#
9	#17	#18	#19 Seed Control	#20 Seed Control	- H ₂ O control	- TE	#DNA control Aac	#DNA control Aac
5	#17	#18	#19 Seed Control	#20 Seed Control	- H ₂ O control	- TE control	#DNA control Aac	#DNA control Aac
4	6#	#10	#11	#12	#13	#14	#15	#16
3	6#	#10	11#	#12	#13	#14	#15	#16
2		#2	#3	#	#2	9#	#1	8#
	#	#2	#3	*	\$ #	9#	L#	8#
	A	В	O	D	田	۲٦,	Ŋ	Н

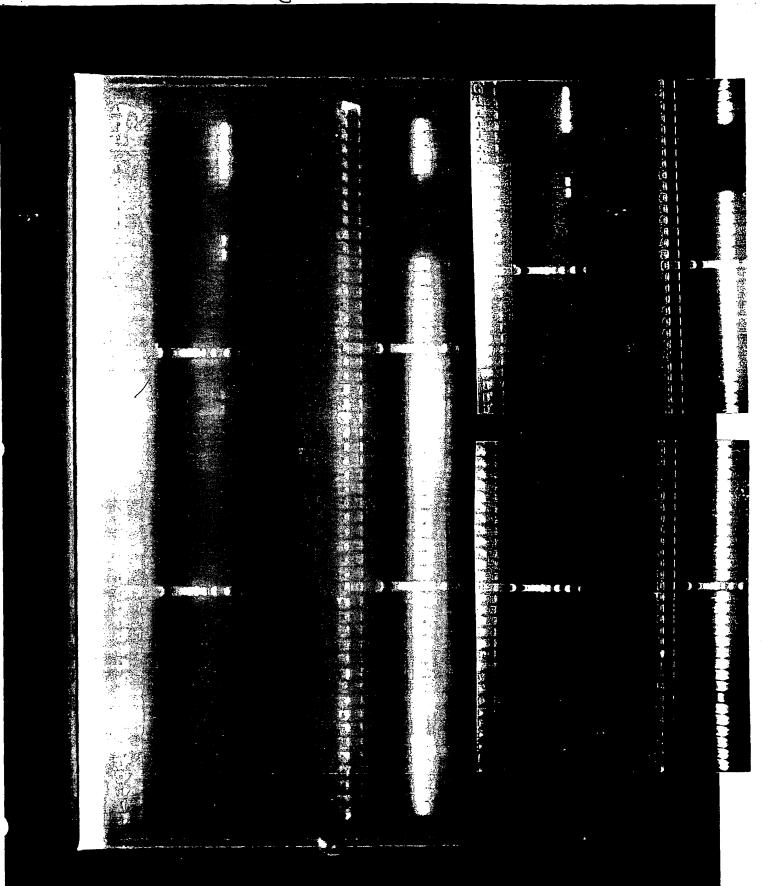


Fig. Fa

Disease screen assay data sheet WFB PCR # 987

Electrophoresis information

Gel Concentration: 2.0% Buffer: 0.5X TBE

Volts: 100 Watts: 9 mAmps: 78 On: 2:00 Off: 3: 30 Temp: 12.T

Amount of agarose used; 2.5g, 5.0g, (7.0g), other (circle one)

Volume of DNA	sample:	5μls	Total re	action vo	olume:;	50μls		
	Aac	Xcv		Aac	Xcv		Aac	Xcv
Gel Lane	Result	Result	Gel Lane	Result	Result	Gel Lane	Result	Result
1. 1 Aac Rxns	~		37. 17	+		73. 11		+
2. 1	_		38. 18			74. 11		,
3. 2	_		39. 18	++		75. 12		1
4. 2	_		40. 19	_		76. 12		1
5. 3	+		41. 19			77. 13		- 1
6. 3	+		42. 20	+		78. 13		- 1
7. 4	+++		43. 20	<u> </u>		79. 14		i
8. 4	+		44. H ₂ O	_		80. 14		
9. 5			45. H ₂ O			81. 15		j
10. 5	`		46. TE	_		82. 15		
11.6	<u> </u>		47. TE			83. 16		.
12. 6	+		48. DNA Hi	+		84. 16		[
13. 7	++++		49. DNA Hi	1+++		85. Ladder		
14. 7	_		50. DNA Low	+		-86: Ladder		
15. 8	_		51. DNA Low	+		87.17		+
16. 8	_		52. 1	•	+	88.17		1
17. Ladder			53. 1		1	89.18		1
18. 9	~		54. 2		1	90.18		1
19. 9	_		55. 2			91. 19		
20. 10			56. 3			92. 19		1
21. 10	_		57.3		1	93.20		
22. 11	++		58. 4		}	94.20		-
23. 11	,		59. 4		- 1	95. H ₂ O		_
24. 12			60. 5			96. H ₂ O		-
25. 12	_		61. 5		- 1	97. TE		_
26. 13	_		62. 6		- 1	98. TE		1-++++
27. 13	~		63. 6		- 1	99. DNA Hi		+
28. 14	_		64.7		- 1	100. DNA Hi		+
29. 14	_		65. 7		1	101. DNA Low		į.
30. 15	+		66. 8		- 1	102. DNA Low		1
31. 15	+		67. 8		l	103.		1
32. 16	+ +		68. Ladder			104.		
33. 16	+		69. 9		+	105.		
34. Ladder	-		70. 9		}	106.		
3 5. Laddor			71. 10					
36. 17	+		72. 10		1			

Sample#'s	1&2	3&4	5&6	7&8	9&10	11&1/2	13&14	15&16	17&18
Positive				\ \ \ \	/		,		
Negativ									

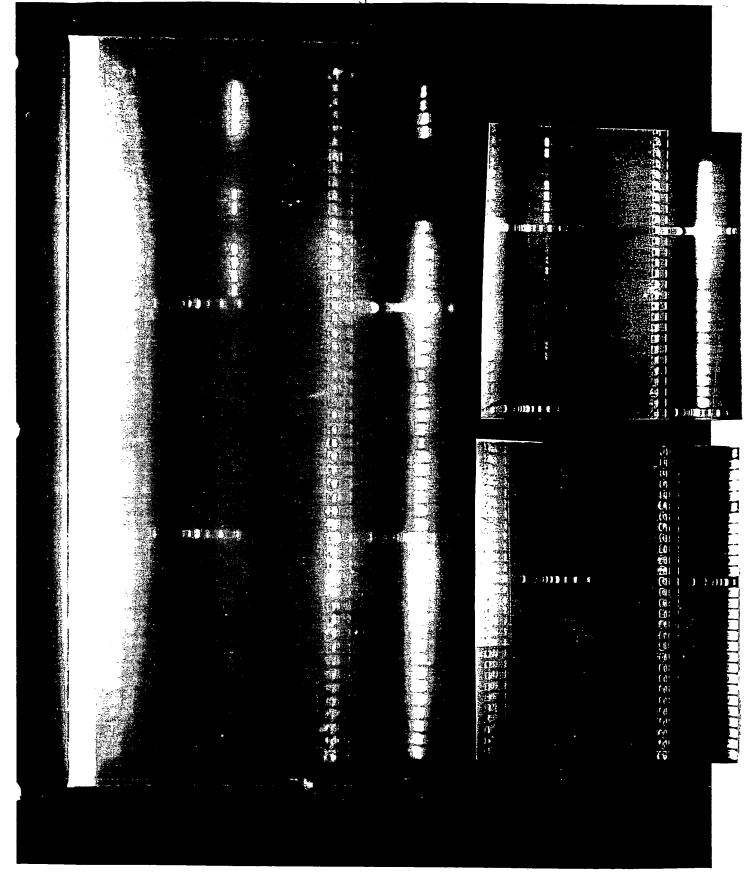
PCR #: 987

of Fir

Acidovorax Reactions

 ;;	:		<u>_</u>	T	- 1	-II	<u></u>	ار		_	ار		\overline{C}	7	t	الع	 A	T	
•													` .		·				
č	#8		#/	5		#6		#5		:	#		č	##		#2	#		-
Č	###		#/	#17		#5		#5		:	#4		•	#3		#2	#		2
:	#16		71.0	#15		#14		#13			#12		:	#11		#10	# 7	5	ω
	#16		7.0	#15		#14		#13			#12			#11		#10	 7	*	4
control Aac	⊕DNA	Aac	Control	⊕DNA	control	HI.	control	- H ₂ O	Control	Seed	#20	Control	Seed	#19		#18	 71	#17	5
control Aac	⊕DNA	Aac	control	⊕DNA	control	HT-	control	- H ₂ O	Control	Seed	#20	Control	Seed	#19	_ **-	#18		#17	6
	#8			#7		#6		#5			#4	•		#3		#2	•	#_	7
	#8			#7		#6		#5			#4			#3		#2	:	#=	∞
	#16		:	#15		#14		#13			#12			#11		#10	;	#9	9
	#16			#15		#14		#13			#12			#11		#10		#9	10
control		格が入り	control	⊕DNA	control	- TE	control	- H ₂ O	Control	Seed	#20	Control	Seed	#19		**		#17	-
control Aae× ←	⊕DNA	AN Xe	control	⊕DNA	control	- TE	control	- H ₂ O	Control	Seed	#20	Control	Seed	#19		#18		#17	12

Fig.7c



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Fig. 8a

Disease screen assay data sheet WFB PCR # 993

Electrophoresis information

Gel Concentration: 2.0%

Buffer: 0.5X TBE

Amount of agarose used; 2.5g, 5.0g, 7.0g, other 12

Volts: 130

mAmps: 117 Watts: /5

Off: 3200 Temp: RT On: 1:40

(circle one)

Total reaction volume: 50µls Volume of DNA sample:_ 5µls Азс Xcv Aac Xcv Aac Xcv Result Result Gel Lane Result Result Gel Lane Result Result Gel Lane 37. 17 73. 11 1. I Aac Rxns 38.18 74.11 2. 1 75.12 3.2 39.18 40.19 76.12 4.2 77.13 41.19 5.3 42.20 78.13 6.3 79.14 43.20 7.4 80.14 44. H₂O 8.4 81.15 45. H₂O 9.5 46. TE 82.15 10.5 83.16 47. TE 11.6 48. DNA Hi 84.16 12. 6 49. DNA Hi 85. Ladder 13.7 86. Ladder 50. DNA Low 14.7 87.17 51. DNA Low 15.8 88.17 16.8 52. 1 89.18 53. 1 17. Ladder 54, 2 90.18 18.9 91.19 55.2 19.9 92.19 56.3 20.10 93.20 57.3 21.10 94.20 58.4 22. 11 95. H₂O 59.4 23.11 60.5 96. H₂O 24. 12 25. 12 61.5 97. TE 98. TE 26.13 62.6 99. DNA Hi 63.6 27.13 100. DNA Hi 64.7 28. 14 101. DNA Low 65.7 29.14 102. DNA Low 66.8 30.15 67.8 103. 31.15 104. 68. Ladder 32.16 69.9 105. 33.16 70.9 106. 34. Ladder 35. Ladder 71.10 72.10 36. 17

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Sample#'s	1&2	3&4	5&6/	7&8	9&10	11&12	13&14	15&16	17&18
Positive	7	7)	~				/	
Negative						✓			

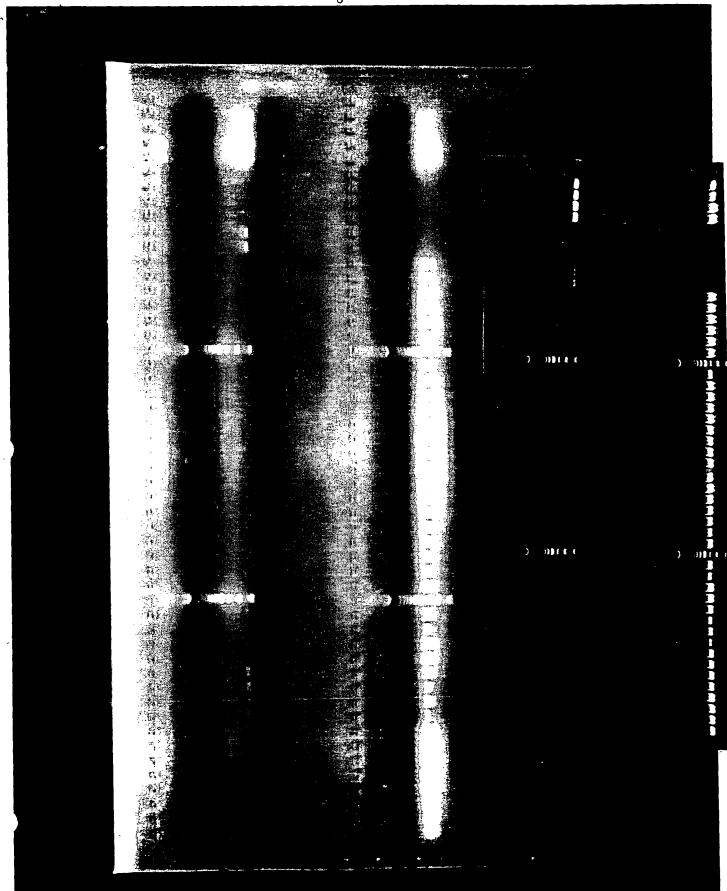
PCR#: 993

50

Acidovorax Reactions

				 				
12	#17	# 18	#19 Seed Control	#20 Seed Control	- H ₂ O control	- TE control	⊕DNA control	⊕DNA control
=	#17	#18	#19 Seed Control	#20 Seed Control	- H ₂ O control	- TE control	Ontrol	⊕DNA control
01	6#	#10	11#	#12	#13	#14	#15	#16
6	6#	#10	#11	#12	#13	#14	#15	#16
∞	#1	#2	#3	#4	#2	9#	47	8#
7	#	#2	#3	#	#2	9#	L#	88##
9	#17	#18	#19 Seed Control	#20 Seed Control	- H ₂ O control	- TE control	DNA control Aac	#DNA control Aac
8	#17	#18	#19 Seed Control	#20 Seed Control	- H ₂ O control	- TE control	#DNA control Aac	#DNA control Aac
4	6#	#10	#11	#12	#13	#14	#15	#16
3	6#	#10	#11	#12	#13	# 41	#15	#16
2	I #	#2	#3	#	*	9#	L#	8#
-	T#	#2	#3	#4	#2	9#	#7	89 #
	A	В	ن ن	Q	田	[<u>T</u>	Ŋ	Œ

Fig. 8c



Disease screen assay data sheet WFB PCR # 97-6

Fig. 9a

Electrophoresis information

Gel Concentration: 2.0% Buffer: 0.5X TBE Volts: 98 Watts: 8 mAmps: 72

On: 1:30 Off: 3:00 Temp: RT

Amount of agarose used; 2.5g, 5.0g, 70g, other_____ (circle one)

Volume of DNA	sample:	5μls	Total re	action vo	olume:	50μls		
	Aac	Xcv		Aac	Xcv		Aac	Xcv
Gel Lane	Result	Result	Gel Lane	Result	Result	Gel Lane	Result	Result
1. I Aac Rxns	-		37. 17	T		73. 11		+
2. 1	1		38. 18			74. 11		,
3. 2	- 1		39. 18	1		75. 12		
4. 2	1		40. 19			76. 12		1
5.3			41. 19	l l		77. 13		- 1
6. 3	ļ		42. 20	+		78. 13		- 1
7. 4	- 1		43. 20	++		79. 14		}
8. 4	- 1		44. H ₂ O		•	80. 14		1
9.5			45. H ₂ O	_		81. 15		1
10. 5	- 1		46. TE	_		82. 15		1
11.6	- 1		47. TE	_		83. 16		1
12. 6	- 1		48. DNA Hi	+		84. 16		1
13. 7	- 1		49. DNA Hi	+		85. Ladder		
14. 7			50. DNA Low	+		86: Ladder		
15.8	1		51. DNA Low	+		87.17		+
16. 8	1		52. 1	`	+	88.17		1
17. Ladder	•		53. 1		ì	89.18		1
18. 9			54. 2			90.18		
19. 9	1		55. 2]	91. 19		
20. 10	1		56. 3		- 1	92. 19		1
21. 10	- 1		57.3		1	93.20		_
22. 11	l		58. 4		1	94.20		_
23. 11	1		59. 4		1	95. H ₂ O		~
24. 12	- 1		60. 5		- 1	96. H ₂ O		
25. 12	- 1		61.5		- 1	97. TE		_
26. 13	- 1		62. 6			98. TE		_
27. 13			63. 6		- 1	99. DNA Hi		
28. 14			64.7		- 1	100. DNA Hi		+++
29. 14	j		65.7		- 1	101. DNA Low		+
30. 15	l		66. 8		- 1	102. DNA Low		<u> </u>
31. 15	ı		67. 8		\ \	103.		+
32. 16	j		68. Ladder		,	104.		
33. 16	1		69. 9		+	105.		
34. Ladder	1		70. 9		ì	106.		
35. Ladder			71. 10		1			
36. 17	_		72. 10		l			
					ı			

Positive										
Positive	Sample#'s	1&2	3&4	5&6	7&8	9&10	11&12	13&14	15&16	17&18
Negative / / / / / / /	Positive							i ———		
	Negative							7		1

PCR#: 976

Fg. 96

Acidovorax Reactions

		:			,			_
12	#17	#18	#19 Seed Control	#20 Seed Control	- H ₂ O control	- TE control	#DNA control Aac	#DNA control Aac
Π	#17	#18	#19 Seed Control	#20 Seed Control	- H ₂ O control	- TE control	#DNA control Aac	DNA control Aac
01	6#	#10	#11	#12	#13	#14	#15	#16
6	6#	#10	#11	#12	#13	#14	#15	#16
∞	I#	#2	#3	#4	S#	9#	£#	8#
7	#1	#2	#3	#4	£#	9#	L #	8#
9	#17	#18	#19 Seed Control	#20 Seed Control	- H ₂ O control	- TE control	DNA control Aac	DNA control Aac
5	#17	#18	#19 Seed Control	#20 Seed Control	- H ₂ O control	- TE control	DNA control	DNA control Aac
4	6#	#10	#11	#12	#13	#14	#15	#16
3	6#	#10	#11	#12	#13	#14	#15	#16
2	-	#2	#3	#4	#2	9#	4.7	8#
	#	#5	#3	#4	#2	9#	L#	80
	A	В	Ŋ	Q	田	۲ij.	Ŋ	H

